

CLAIMS

1. Insulated coil for wires of electrical engines and magnets, especially for motor vehicles, characterized in that it consists of insulating materials permitting operating temperatures above 200°C.

2. Insulated coil according to claim 1, characterized in that - in case of low voltages - no flashover danger exists and that the insulating materials serve primarily as spacers for wires or white wires (10) for protection against contact.

3. Insulated coil according to claim 1 or 2, characterized in that the insulating material is glass filament (11).

4. Insulated coil according to claim 1 or 2, characterized in that the wires (10) have an oxide layer or a ceramic-elastic thin film layer.

5. Electrical engine or electrical magnet for a motor vehicle, characterized in that the insulated coil is an insulated coil according to one of the claims 1 to 4.

6. Electrical engine or electrical magnet according to claim 5, characterized in that the housing (8) and the axis (9) consist of thermally insulating material, for example, ceramics or plastic.

7. Electrical engine or electrical magnet according to claim 5 or 6, characterized in that they can be operated at temperatures above 200°C.